

**APPENDIX D****COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT****UNDERGROUND STORAGE TANK SYSTEM
CLOSURE REPORT FORM**

03 - 29674

Facility I.D.

Radhe Oil

Facility Name

Freeport

Municipality

Armstrong

County

1/10/17

Date Prepared

Eric ItleName of Person Submitting Report
(Please Print)

Letterle & AssociatesCompany Name
(If Applicable)

Project Manager

Title

Closure Method (Check all that apply):

- ☒ Removal
- ☐ Closure-In-Place
- ☐ Change-In-Service

Site Assessment Results (Check all that apply):

- ☐ No Obvious Contamination - Sample Results Meet Standards/Levels
- ☐ No Obvious Contamination - Sample Results Do Not Meet Standards/Levels
- ☐ Obvious, Localized Contamination - Sample Results Meet Standards/Levels
- ☐ Obvious, Localized Contamination - Sample Results Do Not Meet Standards/Levels
- ☒ Obvious, Extensive Contamination

DATE RECEIVED: _____

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

Owners who are permanently closing underground storage tanks may use this form to demonstrate that an underground storage tank closure was performed in accordance with the "Closure Requirements for Underground Storage Tank Systems" document. PLEASE PRINT OR TYPE. COMPLETE ALL QUESTIONS.

SECTION I. Owner/Facility/Tank/Waste Management and Disposal Information

1. Facility ID Number 03 - 29674
2. Facility Name Radhe Oil
3. Facility County Armstrong
4. Facility Municipality Freeport
5. Facility Address 222 Buffalo Street Freeport, PA 16229
6. Facility Contact Person Nila Manning
7. Facility Telephone Number (412) 364 - 2200
8. Owner Name Superior Petroleum Company
9. Owner Mailing Address 8199 McKnight Road Pittsburgh, PA 15237
10. Description of Underground Storage Tanks (Complete for each tank closed)

DATE OF TANK CLOSURE (Month/Day/Year)		12- 21 -2016	12- 21 -2016	12- 21 -2016	- -	
Tank Registration Number		1	2	3		
Estimated Total Capacity (Gallons)		10,000	10,000	10,000		
Substance(s) Stored Throughout Operating Life of Tank (Check All That Apply)	a. Petroleum	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Unleaded Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Leaded Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Aviation Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Jet Fuel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Diesel Fuel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Fuel Oil No. 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Fuel Oil No. 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Fuel Oil No. 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Fuel Oil No. 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Fuel Oil No. 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	New Motor Oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Used Motor Oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Other, Please Specify					
	NOTE: If Hazardous Substance Block is Checked, Attach Material Safety Data Sheets (MSDS)	b. Hazardous Substance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Name of Principal CERCLA Substance				
		AND Chemical Abstract Service (CAS) No.				
	c. Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Closure Method (Check Only One)	a. Removal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b. Closure-in-Place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	c. Change-In-Service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Partial System Closure (Yes or No)		yes	yes	yes		

DATE OF TANK CLOSURE (Month/Day/Year)		- -	- -	- -	- -
Tank Registration Number					
Estimated Total Capacity (Gallons)					
Substance(s) Stored Throughout Operating Life of Tank (Check All That Apply)	a. Petroleum				
	Unleaded Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Leaded Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Aviation Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Jet Fuel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Diesel Fuel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fuel Oil No. 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fuel Oil No. 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fuel Oil No. 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fuel Oil No. 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fuel Oil No. 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	New Motor Oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Used Motor Oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other, Please Specify				
NOTE: If Hazardous Substance Block is Checked, Attach Material Safety Data Sheets (MSDS)	b. Hazardous Substance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Name of Principal CERCLA Substance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	AND Chemical Abstract Service (CAS) No.				
	c. Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Closure Method (Check Only One)	a. Removal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Closure-in-Place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Change-In-Service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Partial System Closure (Yes or No)					

Yes N/A

11. Briefly describe the storage tank facility and the nature of the operations which were conducted at the facility (both historical and present) including use of tanks:

The site is currently is an active retail petroleum facility with a convenience store. There are three active USTs (001, 002, and 003) on-site with two dispensers and associated product piping. Both dispensers and all product piping were closed by removal and replaced.

- ☒ ☐ 12. A site location and sampling map of the site, drawn to scale, is attached. See page 11 of 11.
- ☒ ☐ 13. Original, color photographs of the closure process are attached (i.e., inside of excavation/piping runs, pit water, tanks showing condition).
- ☒ ☐ 14. An amended "Storage Tanks Registration/Permitting Application Form" was submitted to the DEP, Bureau of Waste Management, Division of Storage Tanks, P.O. Box 8762, Harrisburg, PA 17105-8762.
Date: 1/18/17
- ☒ ☐ 15. If a reportable release was confirmed, the appropriate regional office of DEP was notified by the owner or operator.
Date: 12 - 21 - 2016 Office: Southwest

Yes N/A

- ☐ ☒ 16. If tanks were cleaned on-site:
- a. Briefly describe the disposition of usable product: Not applicable
- _____
- _____
- _____
- b. Briefly describe the disposal of unusable product, sludges, sediments, and wastewater generated during cleaning. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal):
- _____
- _____
- _____
- c. If tank contents were determined/deemed to be hazardous waste, provide:
- (1) Generator ID Number: _____
- (2) Licensed Hazardous Waste Transporter Name and ID Number: _____
- _____
- ☐ ☒ 17. If tanks were removed from the site for cleaning:
- a. Provide the name and permit number of the processing, treatment, storage or disposal facility performing the tank cleaning: _____
- _____
- b. If tank contents were determined/deemed to be hazardous waste, provide:
- (1) Generator ID Number: _____
- (2) Licensed Hazardous Waste Transporter Name and ID Number: _____
- _____
18. Briefly describe the disposition of tanks/piping (Attach documentation of proper disposal):
- The steel piping was picked up by a local citizen and hauled away to a scrap yard. Disposal documentation was not obtained.
- _____
- _____
- ☒ ☐ 19. If contaminated soil is excavated:
- a. Briefly describe the disposition and amount 123 (tons) of contaminated soil. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal):
- Approximately 123 tons of petroleum-impacted soil was removed and transported to Carbon Limestone Landfill in Lowellville, Ohio by McCutcheon Enterprises, Inc. Disposal documentation is attached.
- _____
- b. If contaminated soil is determined/deemed to be hazardous waste, provide:
- (1) Generator ID Number: _____
- (2) Licensed Hazardous Waste Transporter Name and ID Number: _____
- _____
- _____

Yes N/A

☐ ☒ 20. Briefly describe the disposition of and amount 0 (tons) of uncontaminated soil (attach analyses):

I, Nila Manning, hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904
(Print Name)

(relating to unsworn falsification to authorities) that I am the owner of the above referenced storage tank(s) and that the information provided by me in this closure report (Section I) is true, accurate and complete to the best of my knowledge and belief.


Signature of Tank Owner

1/16/17
Date

Superior Petroleum Corporation
Company Name
(If Applicable)

Director of Human Resources
Title

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

**UNDERGROUND STORAGE TANK SYSTEM
CLOSURE REPORT FORM**

SECTION II. Tank Handling Information

Facility ID Number 03 - 29674

Yes N/A

1. Briefly describe the excavation and initial on-site staging of uncontaminated/contaminated soil:
Contaminated soil was staged on and covered with plastic adjacent to the excavation.
2. Briefly describe the method of piping system closure and the closure of the piping systems including the quantity and condition of the piping:
Approximately 40 feet of piping was removed from the subsurface. The piping was in poor condition and was heavily corroded.
3. Briefly describe the condition of the tanks and any problems encountered during tank removal:
The USTs were not removed.
4. Briefly describe the method used to purge the tanks of and monitor for explosive vapors:
Not applicable.
- ☐ ☒ 5. If tanks were cleaned on-site:
 - a. Briefly describe the tank cleaning process: Not applicable.
 - b. If subcontracted, name and address of company that performed the tank cleaning:
- ☐ ☒ 6. If tanks were closed-in-place, briefly describe the tank fill material:
- ☒ ☐ 7. If contamination was suspected or observed, the "Notification of Contamination" form was submitted.

SECTION II. (continued)

I, WILLIAM E. Di DONATO

(Print Name)

, hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904

(relating to unsworn falsification to authorities) that I am the certified installer who performed the tank handling activities associated with the closure of the above referenced storage tank(s) and that the information provided by me in this closure report (Section I) is true, accurate and complete to the best of my knowledge and belief.



Signature of Certified Installer1665

Installer Certification NumberJANUARY 20, 2017

Date54

Company Certification NumberSHELVING INSTALLATION SERVICE - INCDBA: S.I.S., INC

Company Name7208 ROUTE 908

StreetTARENTUM, PA 15084

City/Town, State, Zip724-224-1220

Phone

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 001 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 03 - 29674

- A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A" if NOT encountered).

Bedrock NA feet below land surface

Water NA feet below land surface

- B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).
Length of piping NA feet

C. TANK SYSTEM REMOVED FROM THE GROUND

- 1). Was obvious contamination observed while excavating?

☐ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

☒ YES -----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Following dispenser and product piping removal, obvious contamination was observed in soil beneath the dispensers and beneath a section of piping. The obvious contamination was observed at a depth of greater than three feet below the dispensers. The source of contamination was likely from highly corroded piping.

-----> Complete item C.2. below.

- 2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

☐ YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

☐ NO -----> Continue interim remedial actions -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

☐ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

☐ YES -----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 002 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 03 - 29674

- A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A: if NOT encountered).

Bedrock NA feet below land surface

Water NA feet below land surface

- B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).
Length of piping NA feet

C. TANK SYSTEM REMOVED FROM THE GROUND

- 1). Was obvious contamination observed while excavating?

☐ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

☒ YES-----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Following dispenser and product piping removal, obvious contamination was observed in soil beneath the dispensers and beneath a section of piping. The obvious contamination was observed at a depth of greater than three feet below the dispensers. The source of contamination was likely from highly corroded piping.

-----> Complete item C.2. below.

- 2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

☐ YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling-----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

☐ NO-----> Continue interim remedial actions -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

☐ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

☐ YES-----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 003 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 03 - 29674

- A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A" if NOT encountered).

Bedrock NA feet below land surface

Water NA feet below land surface

- B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).
Length of piping NA feet

C. TANK SYSTEM REMOVED FROM THE GROUND

- 1). Was obvious contamination observed while excavating?

☐ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

☒ YES -----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Following dispenser and product piping removal, obvious contamination was observed in soil beneath the dispensers and beneath a section of piping. The obvious contamination was observed at a depth of greater than three feet below the dispensers. The source of contamination was likely from highly corroded piping.

-----> Complete item C.2. below.

- 2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

☐ YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

☐ NO -----> Continue interim remedial actions -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

☐ NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

☐ YES -----> Report release to DEP within 2 hours -----> Describe contamination observed and likely source(s) tank, piping, dispenser, spills, overfills):

Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records -----> Call Indemnification Fund (717-787-0763).

- E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the UST system out of service;
- (b) By the current owners and operators of the UST system site; or
- (c) By mailing these records to the implementing agency if they cannot be maintained at the closed facility.

At least one option must be chosen. If option (c) is chosen, the closure report form should be sent to the DEP regional office responsible for the county in which the tank is located.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the CAP regulation requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Eric Itle, hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.

Eric Itle
Signature of Person Performing Site Assessment

1/25/2017
Date

Project Manager
Title of Person Performing Site Assessment

Letterle & Associates
Name of Company Performing Site Assessment

412-486-0600
Telephone Number of Person Performing Site Assessment

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

**Sample/Analysis Information
(Attachment for Section III.)**

Facility ID Number 03 - 29674[illegible]

Facility ID Number 03 - 29674

[illegible]

¹ Where EPA Method 5035 is required, indicate sample collection option in the right hand box of this column using the following codes:

P - Samples placed in a soil sample vial with a preservative present.

E - Samples collected and stored in a soil collection device which is airtight and affords little to no headspace.

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large scale map of the site where tanks were closed. Scales between 1" = 10 and 1" = 100 feet frequently work out well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tanks removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: Radhe Oil 03 - 29674

County: Armstrong

Township/Borough: Freeport (see attached figures)

TABLE

TABLE 1
SOIL ANALYTICAL DATA - Partial UST Closure
Superior - Radhe Oil
222 Buffalo Street
Freeport, Pennsylvania 16229

Sample ID	Date	Depth (ft-bgs)	PID (ppm)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylene (µg/kg)	MTBE (µg/kg)	Cumene (µg/kg)	Naphthalene (µg/kg)	1,2,4-TMB (µg/kg)	1,3,5-TMB (µg/kg)
D-1/2'	12/21/16	2	525	<2,650	13,600	40,200	352,000	<2,650	6,820	30,200	180,000	82,400
D-2/2'	12/21/16	2	572	<258	19,200	19,700	124,000	<258	4,190	8,770	72,300	23,600
LS-1/3'	12/21/16	3	145.8	2,230	716	8,220	4,040	<261	1,930	3,990	785	<261
LS-2/3'	12/21/16	3	3.3	<5	<5	<5	<14.9	<5	<5	<5	<5	<5

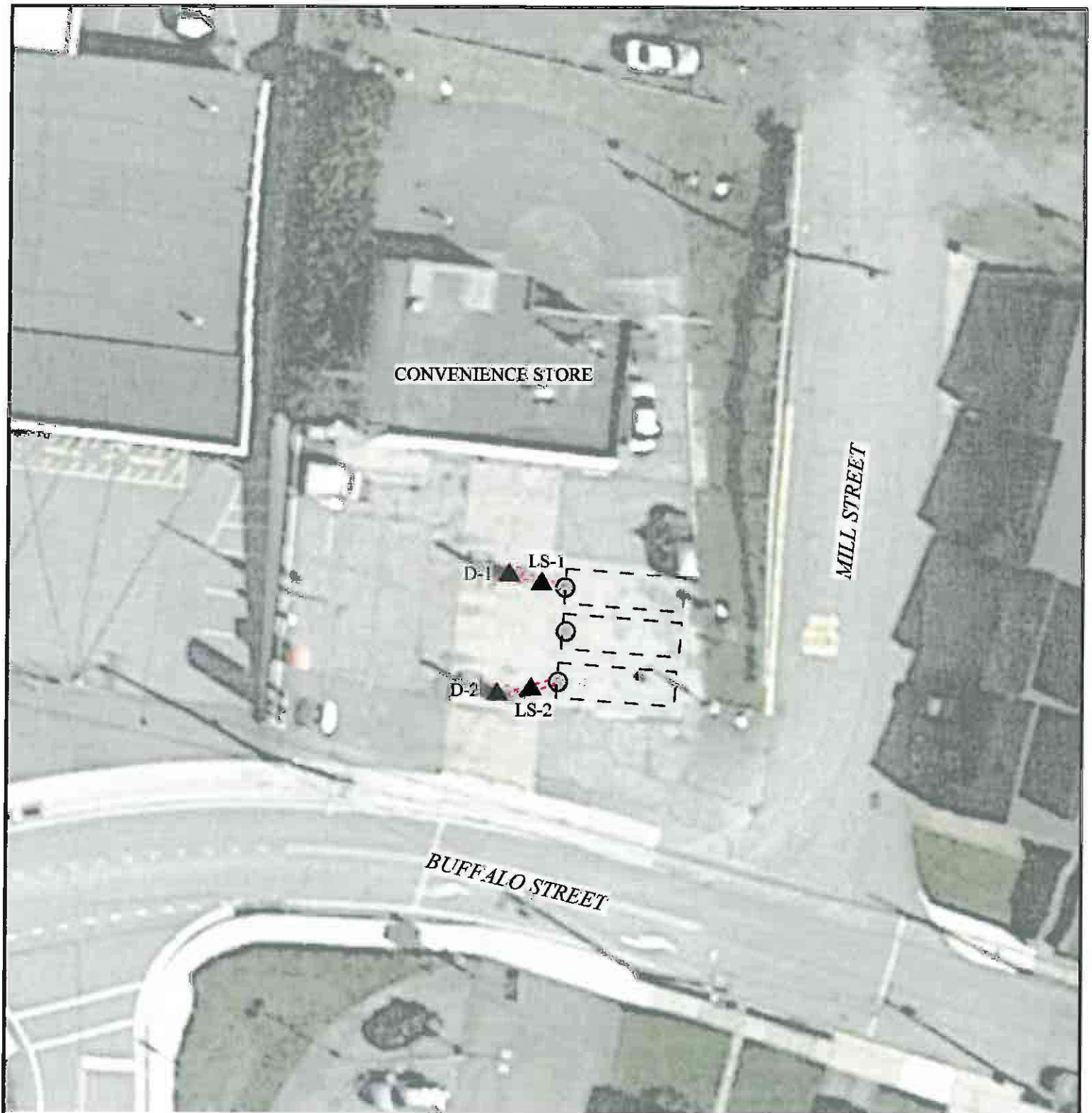
Soil to Groundwater - Residential MSCs				500	100,000	70,000	1,000,000	2,000	600,000	25,000	8,400	74,000
Direct Contact Residential (0-15')				57,000	10,000,000	180,000	1,900,000	1,700,000	7,700,000	160,000	130,000	2,200,000
Indoor Air Soil Screening Values - Residential				370	76,000	5,700	55,000	51,000	360,000	64,000	20,000	4,600

Notes:

MTBE	methyl tertiary-butyl ether	µg/kg	micrograms per kilogram
TMB	trimethylbenzene	ft-bgs	feet below ground surface
ppm	parts per million	NOC	Not of Concern

MSC's - Medium Specific Concentrations are designated as PADEP Statewide Health Standards
 MSC's presented are for soil to groundwater numeric values for residential used aquifers - exceedences are highlighted gray.

FIGURES



LEGEND



DISPENSER AND LINES



SOIL SAMPLE LOCATION

SCALE IN FEET



UST CLOSURE SAMPLE LOCATION MAP

SUPERIOR - RADHE OIL
222 BUFFALO STREET
FREEPORT, PENNSYLVANIA 16229



Letterle & Associates
2859 Oxford Boulevard
Allison Park, Pennsylvania 15101

FIGURE 1

ATTACHMENT A

PHOTOGRAPHS



Photo 1: Radhe Oil—View of site looking northwest.



Photo 2: Radhe Oil—View of site looking north.



Photo 3: Radhe Oil—View of site looking northeast.



Photo 4: Radhe Oil—View from site looking south.



Photo 5: Radhe Oil—View from site looking southwest.



Photo 6: Radhe Oil—Former canopy and dispenser island area.



Photo 7: Radhe Oil—Former canopy and dispenser island area.



Photo 8: Radhe Oil—Highly corroded product piping connector.



Photo 9: Radhe Oil—Highly corroded product piping connector.



Photo 10: Radhe Oil—Highly corroded product piping connector.

ATTACHMENT B

DISPOSAL RECEIPTS

Detail Contract Activity Report

January 01, 2017 to January 11, 2017

Specific Contract(s) : '5076170115'

All Ticket Types

History and Waiting

* - Confirmed Qty Applied to Billing

5076170115

Ticket Date	Facility & Ticket Number	Customer	Truck	Material	Billing Quantity
01/06/2017 I Y1	1189594	000906 - MCCUTCHEON ENTERPRISE	MCCUTCHE	SW-CONT SOIL W/FUE	16.12 TN
01/06/2017 I Y1	1189601	000906 - MCCUTCHEON ENTERPRISE	MCCUTCHE	SW-CONT SOIL W/FUE	16.60 TN
01/06/2017 I Y1	1189684	000906 - MCCUTCHEON ENTERPRISE	MCCUTCHE	SW-CONT SOIL W/FUE	20.08 TN
01/06/2017 I Y1	1189687	000906 - MCCUTCHEON ENTERPRISE	MCCUTCHE	SW-CONT SOIL W/FUE	20.58 TN
01/09/2017 I Y1	1189880	000906 - MCCUTCHEON ENTERPRISE	TESONE	SW-CONT SOIL W/FUE	18.39 TN
01/09/2017 I Y1	1189892	000906 - MCCUTCHEON ENTERPRISE	MCCUTCHE	SW-CONT SOIL W/FUE	18.07 TN
01/09/2017 I Y1	1189999	000906 - MCCUTCHEON ENTERPRISE	MCCUTCHE	SW-CONT SOIL W/FUE	12.77 TN

Tickets Reported: 7 Items Reported: 7

Material Summary

VH - SW-CONT SOIL W/FUEL	Weight		Volume		Count	
	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound
	122.61	0.00 TN	160.00	0.00 YD	0.00	0.00

Tickets Reported: 7 Items Reported: 7

TE CARBON LIMESTONE LANDFILL 330-536-8013 8100 S. Stataline Rd -Lowellville, OH 44436
ASTOMER 000906 MCCUTCHEON ENTERPRISES INC. 250 PARK ROAD APOLLO, PA 15613 Contract:5076170115 Generator:Radhe Oil 03-29674

SITE Y1	TICKET # 1189594	CELL
WEIGHMASTER IN - Sheryl H. OUT - Robert S.		
DATE/TIME IN 1/6/17 10:01 am		DATE/TIME OUT 1/6/17 10:30 am
VEHICLE MCCUTCHEON		CONTAINER
REFERENCE 8		
BILL OF LADING 365847		

SCALE IN GROSS WEIGHT	62,560	NET TONS	16.12
SCALE OUT TARE WEIGHT	30,320	NET WEIGHT	32,240

**INBOUND
INVOICE**

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	YD	Tracking QTY				
16.12	tn	SW-CONT SOIL W/FUEL				
1.00		ENVIRONMENTAL FEE 4				
Origin:ARMSTRONG-PA 100%						

Hours of operation:

M-F 8:00 AM to 3:00 PM

Sat 8:00 AM to 12:00 PM

THANK YOU FOR YOUR BUSINESS!

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

[Handwritten Signature]

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TE CARBON LIMESTONE LANDFILL 330-536-8013 8100 S. Stateline Rd -Lowallville, OH 44436
CUSTOMER 000906 MCCUTCHEON ENTERPRISES INC. 250 PARK ROAD APOLLO, PA 15613 Contract:5076170115 Generator:Radhe Oil 03-29674

SITE Y1	TICKET # 1189684	CELL
WEIGHMASTER Robert S.		
DATE/TIME IN 1/6/17 1:49 pm		DATE/TIME OUT 1/6/17 2:22 pm
VEHICLE MCCUTCHEON		CONTAINER
REFERENCE 8		
BILL OF LADING 35848		

SCALE IN GROSS WEIGHT	68,720	NET TONS	20.08
SCALE OUT TARE WEIGHT	28,560	NET WEIGHT	40,160

**INBOUND
INVOICE**

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	YD	Tracking QTY				
20.08	tn	SW-CONT SOIL W/FUEL				
1.00		ENVIRONMENTAL FEE 4				
Origin:ARMSTRONG-PA 100%						

Hours of operation:
M-F 8:00 AM to 3:00 PM
Sat 8:00 AM to 12:00 PM
THANK YOU FOR YOUR BUSINESS!

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McCutcheon Enterprises, Inc.
250 Park Road
Apollo, PA 15613
(724)568-3623 Fax (724)568-2571
www.completewastemgmt.com

00140006

0-8

Non-Hazardous Waste Manifest		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		JW00210574					
3. Generator's Name and Address McCutcheon Enterprises Inc 222 Buffalo Street Frederick, PA 16228 412-364-2200						35848							
4. Generator's Phone ()						B. State Generator's ID							
5. Transporter 1 Company Name McCutcheon Enterprises Inc						C. State Trans. ID							
6. US EPA ID Number PA0013826147						D. Transporter's Phone ()							
7. Transporter 2 Company Name						E. State Trans. ID							
8. US EPA ID Number						F. Transporter's Phone ()							
9. Designated Facility Name and Site Address Carbon Landfills Limited 5100 S. Stetson Road Lima, OH 44436						G. State Facility's ID OH0987040212							
10. US EPA ID Number						H. Facility's Phone ()							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM Virgin petroleum fuel contaminated soil/debris						12. Containers No Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a.						1		150		Y		500	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above 5078 17 0115						K. Handling Codes for Wastes Listed Above							
a.						c.		a.		c.			
b.						d.		b.		d.			
16. Special Handling Instructions and Additional Information													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I hereby certify that the above-named material is not hazardous waste as defined by 40 CFR Part 261 or any applicable state law.													
Printed/Typed Name X Paul Rosta						Signature [Signature]						Month Day Year 1-11-10	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Leroy O'Harris						Signature [Signature]						Month Day Year 1-11-10	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Robert S. [Signature]						Signature [Signature]						Month Day Year 1-11-10	

GENERATOR COPY

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

WE CARBON LIMESTONE LANDFILL 330-536-8013 8100 S. Stataline Rd -Lowellville, OH 44436
CUSTOMER 000906 MCCUTCHEON ENTERPRISES INC. 250 PARK ROAD APOLLO, PA 15613 Contract:5076170115 Generator:Radhe Oil 03-29674

SITE Y1	TICKET # 1189601	CELL
WEIGHMASTER IN - Sheryl H. OUT - Robert S.		
DATE/TIME IN 1/6/17 10:13 am		DATE/TIME OUT 1/6/17 10:39 am
VEHICLE MCCUTCHEON		CONTAINER
REFERENCE 7		
BILL OF LADING 35849		

SCALE IN GROSS WEIGHT	62,460	NET TONS	16.60
SCALE OUT TARE WEIGHT	29,260	NET WEIGHT	33,200

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	YD	Tracking QTY				
16.60	tn	SW-CONT SOIL W/FUEL				
1.00		ENVIRONMENTAL FEE 4				
		Origin:ARMSTRONG-PA 100%				

Hours of operation:
M-F 8:00 AM to 3:00 PM
Sat 8:00 AM to 12:00 PM
THANK YOU FOR YOUR BUSINESS!

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

[Handwritten Signature]

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250 Park Road
Apollo, PA 15613
(724) 568-3623 Fax (724) 568-2571
www.completewastemgmt.com

00149907

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Non-hazardous Waste Manifest		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		PA 0208975					
3. Generator's Name and Address 222 Buffalo Street Frankfort, PA 15228 412-364-2200						35649							
4. Generator's Phone ()						B. State Generator's ID							
5. Transporter 1 Company Name McCutcheon Enterprises Inc						6. US EPA ID Number PA0015626847							
7. Transporter 2 Company Name						8. US EPA ID Number							
9. Designated Facility Name and Site Address Carbon Limonite Landfill 8100 S. State Line Road Lansdale, OH 44436						10. US EPA ID Number OHD98T048212							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. Virgin petroleum fuel contaminated solid debris						6011 PT		21		Y		508	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above 5076 17 0115						K. Handling Codes for Wastes Listed Above							
a.						c.		a.		c.			
b.						d.		b.		d.			
15. Special Handling Instructions and Additional Information QUANTITY ESTIMATED													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I hereby certify that the above-named material is not hazardous waste as defined by 40 CFR Part 261 or any applicable state law													
Printed/Typed Name William D. Ivate						Signature [Signature]						Month Day Year 10/1/06/17	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name JOEL STANICA						Signature [Signature]						Month Day Year 10/1/06/17	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name						Signature						Month Day Year	

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TE CARBON LIMESTONE LANDFILL 330-536-8013 8100 S. Stataline Rd -Lowellville, OH 44436
CUSTOMER 000906 MCCUTCHEON ENTERPRISES INC. 250 PARK ROAD APOLLO, PA 15613 Contract:5076170115 Generator:Radhe Oil 03-29674

SITE Y1	TICKET # 1189687	CELL
WEIGHMASTER Robert S.		
DATE/TIME IN 1/6/17 2:10 pm		DATE/TIME OUT 1/6/17 2:36 pm
VEHICLE MCCUTCHEON		CONTAINER
REFERENCE 7		
BILL OF LADING 35861		

SCALE IN GROSS WEIGHT	69,740	NET TONS	20.58
SCALE OUT TARE WEIGHT	28,580	NET WEIGHT	41,160

INBOUND
INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	YD	Tracking QTY				
20.58	tn	SW-CONT SOIL W/FUEL				
1.00		ENVIRONMENTAL FEE 4				
		Origin:ARMSTRONG-PA 100%				

Hours of operation:
M-F 8:00 AM to 3:00 PM
Sat 8:00 AM to 12:00 PM
THANK YOU FOR YOUR BUSINESS!

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SIGNATURE

[Handwritten Signature] 7229

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250 Park Road
Apollo, PA 15613
(724) 568-3623 Fax (724) 568-2571
www.completewastemgmt.com

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001-0019

1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1	
3. Generator's Name and Address Radco Oil Co 222 Buffalo Street Ft. Porter, PA 16229 412-361-2200		6. US EPA ID Number PA0013626647		B. State Generator's ID 33801	
4. Generator's Phone ()		7. Transporter 2 Company Name		C. State Trans. ID	
5. Transporter 1 Company Name McCutcheon Enterprises Inc		8. US EPA ID Number		D. Transporter's Phone ()	
9. Designated Facility Name and Site Address Carbon Limestone Landfill 6100 S. State Rd. Lima, OH 44436		10. US EPA ID Number OH09W040212		E. State Trans. ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM Virgin petroleum fuel contaminated soil/debris		12. Containers No. Type		13. Total Quantity	
a. 001		DT		14. Unit Wt/Vol	
b.				15. Waste No.	
c.					
d.					
16. Additional Descriptions for Materials Listed Above 5076 17 0115		17. Handling Codes for Wastes Listed Above			
a.		b.		c.	
d.		e.		f.	
18. Special Handling Instructions and Additional Information QUANTITY ESTIMATED					
19. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I hereby certify that the above-named material is not hazardous waste as defined by 40 CFR Part 261 or any applicable state law.					
Printed/Typed Name K. P. P. P.		Signature [Signature]		Month Day Year 10/10/17	
20. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name JILL STANKA		Signature [Signature]		Month Day Year 10/10/17	
21. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
22. Discrepancy Indication Space					
23. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name K. P. P. P.		Signature [Signature]		Month Day Year 10/10/17	

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TE CARBON LIMESTONE LANDFILL 330-536-8013 8100 S. Stataline Rd -Lowellville, OH 44436
CUSTOMER 000906 MCCUTCHEON ENTERPRISES INC. 250 PARK ROAD APOLLO, PA 15613 Contract:5076170115 Generator:Radhe Oil 03-29674

SITE Y1	TICKET # 1189892	CELL
WEIGHMASTER IN - Sheryl H. OUT - Robert S.		
DATE/TIME IN 1/9/17 10:02 am		DATE/TIME OUT 1/9/17 10:29 am
VEHICLE MCCUTCHEON		CONTAINER
REFERENCE 7		
BILL OF LADING 35858		

SCALE IN GROSS WEIGHT	65,280	NET TONS	18.07	INBOUND
SCALE OUT TARE WEIGHT	29,140	NET WEIGHT	36,140	INVOICE

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	YD	Tracking QTY				
18.07	tn	SW-CONT SOIL W/FUEL				
1.00		ENVIRONMENTAL FEE 4				
		Origin:ARMSTRONG-PA 100%				

Hours of operation:
 M-F 8:00 AM to 3:00 PM
 Sat 8:00 AM to 12:00 PM
 THANK YOU FOR YOUR BUSINESS!

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE  729

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250 Park Road
Apollo, PA 15613
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00150015

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Non Hazardous Waste Manifest		1 Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		JWC02190015	
3. Generator's Name and Address 222 Buffalo Street Pittsburgh, PA 15229 (412) 324-2200		6. US EPA ID Number PA001362684		B. State Generator's ID		C. State Trans. ID		D. Transporter's Phone ()	
4. Generator's Phone ()		7. Transporter 2 Company Name		8. US EPA ID Number		E. State Trans. ID		F. Transporter's Phone ()	
5. Transporter 1 Company Name McCutcheon Enterprises Inc		9. Designated Facility Name and Site Address Carmax Louisville, KY 8100 S. Stateline Road Louisville, OH 44436		10. US EPA ID Number OH5087040212		G. State Facility's ID 330-536-0013		H. Facility's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. Virgin petroleum fuel contaminated cardboard				b. 2001 D		c. 1-1721		d. 5 0 0	
J. Additional Descriptions for Materials Listed Above 9070 17 0115				K. Handling Codes for Wastes Listed Above					
a.				c.		a.		c.	
b.				d.		b.		d.	
15. Special Handling Instructions and Additional Information. QUANTITY ESTIMATED									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I hereby certify that the above-named material is not hazardous waste as defined by 40 CFR Part 261 or any applicable state law.									
Printed/Typed Name X J. J. J. J.				Signature X [Signature]				Month Day Year 01 09 17	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name J. J. STANCA				Signature [Signature]				Month Day Year 01 09 17	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest except as noted in item 19									
Printed/Typed Name [Signature]				Signature [Signature]				Month Day Year 01 09 17	

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TE CARBON LIMESTONE LANDFILL 930-536-8013 8100 S. StateLine Rd -Lowellville, OH 44436
CUSTOMER 000906 MCCUTCHEON ENTERPRISES INC. 250 PARK ROAD APOLLO, PA 15613 Contract:5076170115 Generator:Radhe Oil 03-29674

SITE Y1	TICKET # 1189999	CELL
WEIGHMASTER Robert S.		
DATE/TIME IN 1/9/17 1:40 pm		DATE/TIME OUT 1/9/17 2:12 pm
VEHICLE MCCUTCHEON		CONTAINER
REFERENCE 7		
BILL OF LADING 35857		

SCALE IN GROSS WEIGHT	54,140	NET TONS	12.77	INBOUND
SCALE OUT TARE WEIGHT	28,600	NET WEIGHT	25,540	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.00	YD	Tracking QTY				
12.77	tn	SW-CONT SOIL W/FUEL				
1.00		ENVIRONMENTAL FEE 4				
Origin:ARMSTRONG-PA 100%						

Hours of operation:
M-F 8:00 AM to 3:00 PM
Sat 8:00 AM to 12:00 PM
THANK YOU FOR YOUR BUSINESS!

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SIGNATURE

[Handwritten Signature] 729

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Non Hazardous Waste Manifest		1 Generator's US EPA ID No.		Manifest Document No.		2 Page 1 of 1		JWO0209011									
3. Generator's Name and Address 222 Buffalo Street Franklin, PA 15228 412-364-2200						35857											
4. Generator's Phone ()						B. State Generator's ID											
5. Transporter 1 Company Name McCutcheon Enterprises Inc						6. US EPA ID Number PA0013826847											
7. Transporter 2 Company Name						C. State Trans. ID											
8. US EPA ID Number						D. Transporter's Phone ()											
9. Designated Facility Name and Site Address Carbon Limitations Limited 5100 S. Stateline Road Lancaster, OH 44436						10. US EPA ID Number GH0597068212											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
a. Virgin petroleum fuel contaminated soil/debris						0101		111111		5		00					
J. Additional Descriptions for Materials Listed Above 3078 17 0115						K. Handling Codes for Wastes Listed Above											
a.						a.											
b.						b.											
15. Special Handling Instructions and Additional Information QUANTITY ESTIMATED																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I hereby certify that the above-named material is not hazardous waste as defined by 40 CFR Part 261 or any applicable state law.																	
Printed/Typed Name V. J. P. P.					Signature [Signature]					Month Day Year 10/10/17							
17. Transporter 1 Acknowledgement of Receipt of Materials																	
										Printed/Typed Name J. L. STONKA					Signature [Signature]		
18. Transporter 2 Acknowledgement of Receipt of Materials																	
										Printed/Typed Name					Signature		
19. Discrepancy Indication Space																	
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest except as noted in item 18.																	
Printed/Typed Name K. B. L. S.					Signature [Signature]					Month Day Year 10/10/17							

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ATTACHMENT C

LABORATORY ANALYTICAL RESULTS AND CHAIN OF CUSTODY FORMS

January 05, 2017

Mr. Mark Valenty
Letterle & Associates
2859 Oxford Boulevard
Suite 110
Allison Park, PA 15101

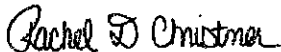
RE: Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

Dear Mr. Valenty:

Enclosed are the analytical results for sample(s) received by the laboratory on December 22, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rachel Christner
rachel.christner@pacelabs.com
Project Manager

Enclosures

cc: Mr. Ken Dudash, Letterle & Associates LLC
Mr. Andrew Frost, Letterle & Associates
Ms. Laurie Hall, Letterle & Associates
Mr. George Hunzeker, Letterle & Associates
Mr. Eric Itle, Letterle & Associates
Ms. Stephanie Profeta, Letterle & Associates
Ms. Amy Watenpool, Letterle & Associates
Mr. Pete Weir, Letterle & Associates



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
L-A-B DOD-ELAP Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235

Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification #: PA014572015-1
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188-14-8
Utah/TNI Certification #: PA014572015-5
USDA Soil Permit #: P330-14-00213
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Certification
Wyoming Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30206462001	D-1/2'	Solid	12/21/16 12:30	12/22/16 16:15
30206462002	D-2/2'	Solid	12/21/16 12:00	12/22/16 16:15
30206462003	LS-1/3'	Solid	12/21/16 12:45	12/22/16 16:15
30206462004	LS-2/3'	Solid	12/21/16 12:11	12/22/16 16:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30206462001	D-1/2'	EPA 8260B	JEW	13	PASI-PA
		ASTM D2974-87	MLL	1	PASI-PA
30206462002	D-2/2'	EPA 8260B	JEW	13	PASI-PA
		ASTM D2974-87	MLL	1	PASI-PA
30206462003	LS-1/3'	EPA 8260B	JEW	13	PASI-PA
		ASTM D2974-87	MLL	1	PASI-PA
30206462004	LS-2/3'	EPA 8260B	JEW	13	PASI-PA
		ASTM D2974-87	MLL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

Sample: D-1/2' Lab ID: 30206462001 Collected: 12/21/16 12:30 Received: 12/22/16 16:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Analytical Method: EPA 8260B Preparation Method: EPA 5035A									
Benzene	ND	ug/kg	2650	722	500	12/28/16 12:00	12/28/16 21:50	71-43-2	1c
Ethylbenzene	40200	ug/kg	2650	536	500	12/28/16 12:00	12/28/16 21:50	100-41-4	1c
Isopropylbenzene (Cumene)	6820	ug/kg	2650	918	500	12/28/16 12:00	12/28/16 21:50	98-82-8	1c
Methyl-tert-butyl ether	ND	ug/kg	2650	1290	500	12/28/16 12:00	12/28/16 21:50	1634-04-4	1c
Naphthalene	30200	ug/kg	2650	515	500	12/28/16 12:00	12/28/16 21:50	91-20-3	1c
Toluene	13600	ug/kg	2650	828	500	12/28/16 12:00	12/28/16 21:50	108-88-3	1c
1,2,4-Trimethylbenzene	180000	ug/kg	26500	7590	5000	12/28/16 12:00	12/29/16 13:34	95-63-6	1c
1,3,5-Trimethylbenzene	82400	ug/kg	2650	892	500	12/28/16 12:00	12/28/16 21:50	108-67-8	1c
Xylene (Total)	352000	ug/kg	7960	1510	500	12/28/16 12:00	12/28/16 21:50	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	68-135		500	12/28/16 12:00	12/28/16 21:50	2037-26-5	
4-Bromofluorobenzene (S)	101	%	65-146		500	12/28/16 12:00	12/28/16 21:50	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	69-137		500	12/28/16 12:00	12/28/16 21:50	17060-07-0	
Dibromofluoromethane (S)	97	%	70-130		500	12/28/16 12:00	12/28/16 21:50	1868-53-7	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	20.4	%	0.10	0.10	1		01/04/17 12:14		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

Sample: D-2/2' Lab ID: 30206462002 Collected: 12/21/16 12:00 Received: 12/22/16 16:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Analytical Method: EPA 8260B Preparation Method: EPA 5035A									
Benzene	ND	ug/kg	258	70.3	50	12/28/16 12:00	12/28/16 22:15	71-43-2	1c
Ethylbenzene	19700	ug/kg	258	52.2	50	12/28/16 12:00	12/28/16 22:15	100-41-4	1c
Isopropylbenzene (Cumene)	4190	ug/kg	258	89.4	50	12/28/16 12:00	12/28/16 22:15	98-82-8	1c
Methyl-tert-butyl ether	ND	ug/kg	258	126	50	12/28/16 12:00	12/28/16 22:15	1634-04-4	1c
Naphthalene	8770	ug/kg	258	50.1	50	12/28/16 12:00	12/28/16 22:15	91-20-3	1c
Toluene	19200	ug/kg	258	80.6	50	12/28/16 12:00	12/28/16 22:15	108-88-3	1c
1,2,4-Trimethylbenzene	72300	ug/kg	2580	739	500	12/28/16 12:00	12/29/16 14:00	95-63-6	1c
1,3,5-Trimethylbenzene	23600	ug/kg	2580	869	500	12/28/16 12:00	12/29/16 14:00	108-67-8	1c
Xylene (Total)	124000	ug/kg	7750	1470	500	12/28/16 12:00	12/29/16 14:00	1330-20-7	
Surrogates									
Toluene-d8 (S)	103	%	68-135		50	12/28/16 12:00	12/28/16 22:15	2037-26-5	
4-Bromofluorobenzene (S)	102	%	65-146		50	12/28/16 12:00	12/28/16 22:15	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	69-137		50	12/28/16 12:00	12/28/16 22:15	17060-07-0	
Dibromofluoromethane (S)	90	%	70-130		50	12/28/16 12:00	12/28/16 22:15	1868-53-7	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	19.9	%	0.10	0.10	1		01/04/17 12:14		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

Sample: LS-1/3¹ Lab ID: 30206462003 Collected: 12/21/16 12:45 Received: 12/22/16 16:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Analytical Method: EPA 8260B Preparation Method: EPA 5035A									
Benzene	2230	ug/kg	261	71.1	50	12/28/16 12:00	12/28/16 22:41	71-43-2	1c
Ethylbenzene	8220	ug/kg	261	52.8	50	12/28/16 12:00	12/28/16 22:41	100-41-4	1c
Isopropylbenzene (Cumene)	1930	ug/kg	261	90.4	50	12/28/16 12:00	12/28/16 22:41	98-82-8	1c
Methyl-tert-butyl ether	ND	ug/kg	261	127	50	12/28/16 12:00	12/28/16 22:41	1634-04-4	1c
Naphthalene	3990	ug/kg	261	50.7	50	12/28/16 12:00	12/28/16 22:41	91-20-3	1c
Toluene	716	ug/kg	261	81.6	50	12/28/16 12:00	12/28/16 22:41	108-88-3	1c
1,2,4-Trimethylbenzene	785	ug/kg	261	74.8	50	12/28/16 12:00	12/28/16 22:41	95-63-6	1c
1,3,5-Trimethylbenzene	ND	ug/kg	261	87.8	50	12/28/16 12:00	12/28/16 22:41	108-67-8	1c
Xylene (Total)	4040	ug/kg	784	148	50	12/28/16 12:00	12/28/16 22:41	1330-20-7	
Surrogates									
Toluene-d8 (S)	102	%	68-135		50	12/28/16 12:00	12/28/16 22:41	2037-26-5	
4-Bromofluorobenzene (S)	100	%	65-146		50	12/28/16 12:00	12/28/16 22:41	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	69-137		50	12/28/16 12:00	12/28/16 22:41	17060-07-0	
Dibromofluoromethane (S)	88	%	70-130		50	12/28/16 12:00	12/28/16 22:41	1868-53-7	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	20.4	%	0.10	0.10	1	01/04/17 12:14
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

Sample: LS-2/3' Lab ID: 30206462004 Collected: 12/21/16 12:11 Received: 12/22/16 16:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Analytical Method: EPA 8260B Preparation Method: EPA 5035A									
Benzene	ND	ug/kg	5.0	1.3	1	12/28/16 12:00	12/28/16 21:24	71-43-2	1c
Ethylbenzene	ND	ug/kg	5.0	1.0	1	12/28/16 12:00	12/28/16 21:24	100-41-4	1c
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.7	1	12/28/16 12:00	12/28/16 21:24	98-82-8	1c
Methyl-tert-butyl ether	ND	ug/kg	5.0	2.4	1	12/28/16 12:00	12/28/16 21:24	1634-04-4	1c
Naphthalene	ND	ug/kg	5.0	0.96	1	12/28/16 12:00	12/28/16 21:24	91-20-3	1c
Toluene	ND	ug/kg	5.0	1.5	1	12/28/16 12:00	12/28/16 21:24	108-88-3	1c
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1.4	1	12/28/16 12:00	12/28/16 21:24	95-63-6	1c
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1.7	1	12/28/16 12:00	12/28/16 21:24	108-67-8	1c
Xylene (Total)	ND	ug/kg	14.9	2.8	1	12/28/16 12:00	12/28/16 21:24	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	68-135		1	12/28/16 12:00	12/28/16 21:24	2037-26-5	
4-Bromofluorobenzene (S)	100	%	65-146		1	12/28/16 12:00	12/28/16 21:24	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	69-137		1	12/28/16 12:00	12/28/16 21:24	17060-07-0	
Dibromofluoromethane (S)	99	%	70-130		1	12/28/16 12:00	12/28/16 21:24	1868-53-7	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	20.4	%	0.10	0.10	1	01/04/17 12:14
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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

QC Batch: 244877 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035A Analysis Description: 8260B MSV UST-SOIL
Associated Lab Samples: 30206462001, 30206462002, 30206462003

METHOD BLANK: 1205353 Matrix: Solid
Associated Lab Samples: 30206462001, 30206462002, 30206462003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	ND	250	71.5	12/28/16 12:43	
1,3,5-Trimethylbenzene	ug/kg	ND	250	84.0	12/28/16 12:43	
Benzene	ug/kg	ND	250	68.0	12/28/16 12:43	
Ethylbenzene	ug/kg	ND	250	50.5	12/28/16 12:43	
Isopropylbenzene (Cumene)	ug/kg	ND	250	86.5	12/28/16 12:43	
Methyl-tert-butyl ether	ug/kg	ND	250	122	12/28/16 12:43	
Naphthalene	ug/kg	ND	250	48.5	12/28/16 12:43	
Toluene	ug/kg	ND	250	78.0	12/28/16 12:43	
Xylene (Total)	ug/kg	ND	750	142	12/28/16 12:43	
1,2-Dichloroethane-d4 (S)	%	93	69-137		12/28/16 12:43	
4-Bromofluorobenzene (S)	%	101	65-146		12/28/16 12:43	
Dibromofluoromethane (S)	%	93	70-130		12/28/16 12:43	
Toluene-d8 (S)	%	99	68-135		12/28/16 12:43	

LABORATORY CONTROL SAMPLE: 1205354

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	20	20.3	102	79-125	
1,3,5-Trimethylbenzene	ug/kg	20	19.7	99	74-129	
Benzene	ug/kg	20	18.9	95	71-137	
Ethylbenzene	ug/kg	20	19.3	96	78-126	
Isopropylbenzene (Cumene)	ug/kg	20	19.5	97	78-133	
Methyl-tert-butyl ether	ug/kg	20	20.0	100	77-141	
Naphthalene	ug/kg	20	19.9	100	81-126	
Toluene	ug/kg	20	18.8	94	72-127	
Xylene (Total)	ug/kg	60	58.0	97	80-124	
1,2-Dichloroethane-d4 (S)	%			93	69-137	
4-Bromofluorobenzene (S)	%			102	65-146	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	68-135	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

QC Batch:	244878	Analysis Method:	EPA 8260B
QC Batch Method:	EPA 5035A	Analysis Description:	8260B MSV UST-SOIL
Associated Lab Samples:	30206462004		

METHOD BLANK: 1205355 Matrix: Solid
Associated Lab Samples: 30206462004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	1.4	12/28/16 13:08	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	12/28/16 13:08	
Benzene	ug/kg	ND	5.0	1.4	12/28/16 13:08	
Ethylbenzene	ug/kg	ND	5.0	1.0	12/28/16 13:08	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	12/28/16 13:08	
Methyl-tert-butyl ether	ug/kg	ND	5.0	2.4	12/28/16 13:08	
Naphthalene	ug/kg	ND	5.0	0.97	12/28/16 13:08	
Toluene	ug/kg	ND	5.0	1.6	12/28/16 13:08	
Xylene (Total)	ug/kg	ND	15.0	2.8	12/28/16 13:08	
1,2-Dichloroethane-d4 (S)	%	97	69-137		12/28/16 13:08	
4-Bromofluorobenzene (S)	%	99	65-146		12/28/16 13:08	
Dibromofluoromethane (S)	%	97	70-130		12/28/16 13:08	
Toluene-d8 (S)	%	99	68-135		12/28/16 13:08	

LABORATORY CONTROL SAMPLE: 1205356

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	20	20.3	102	79-125	
1,3,5-Trimethylbenzene	ug/kg	20	19.7	99	74-129	
Benzene	ug/kg	20	18.9	95	71-137	
Ethylbenzene	ug/kg	20	19.3	96	78-126	
Isopropylbenzene (Cumene)	ug/kg	20	19.5	97	78-133	
Methyl-tert-butyl ether	ug/kg	20	20.0	100	77-141	
Naphthalene	ug/kg	20	19.9	100	81-126	
Toluene	ug/kg	20	18.8	94	72-127	
Xylene (Total)	ug/kg	60	58.0	97	80-124	
1,2-Dichloroethane-d4 (S)	%			93	69-137	
4-Bromofluorobenzene (S)	%			102	65-146	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	68-135	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

QC Batch: 245488 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 30206462001, 30206462002, 30206462003, 30206462004

SAMPLE DUPLICATE: 1207819

Parameter	Units	30206462001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.4	21.0	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Fueland #221(Radhe Oil)
Pace Project No.: 30206462

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

BATCH QUALIFIERS

Batch: 244877

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 244878

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1c A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Fueland #221(Radhe Oil)


Pace Project No.: 30206462

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30206462001	D-1/2'	EPA 5035A	244877	EPA 8260B	244939
30206462002	D-2/2'	EPA 5035A	244877	EPA 8260B	244939
30206462003	LS-1/3'	EPA 5035A	244877	EPA 8260B	244939
30206462004	LS-2/3'	EPA 5035A	244878	EPA 8260B	244940
30206462001	D-1/2'	ASTM D2974-87	245488		
30206462002	D-2/2'	ASTM D2974-87	245488		
30206462003	LS-1/3'	ASTM D2974-87	245488		
30206462004	LS-2/3'	ASTM D2974-87	245488		

REPORT OF LABORATORY ANALYSIS

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Section A Required Client Information:		Section B Required Project Information:	
Company:	Letterlie Associates	Report To:	
Address:	2859 Oxford Blvd	Copy To:	
	Allison Park, PA 15101	Purchase Order No.:	
Email To:		Project Name:	Fueland #221 (Radhe Oil)
Phone:		Project Number:	597
Requested Due Date/TAT:	Standard		



40205462

Page:	1	of	1
2094174			

<p>REGULATORY AGENCY</p> <p><input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER</p> <p><input checked="" type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____</p>	<p>Site Location:</p> <p style="font-size: 24px; text-align: center;">PA</p> <p>STATE:</p>
---	--

<p>Attention:</p> <p>Company Name:</p> <p>Address:</p> <p>Pace Quote Reference:</p> <p>Pace Project Manager:</p>	<p>Rachel Christner</p>
---	--------------------------------

[illegible]

Sample Condition Upon Receipt Pittsburgh



Client Name: Lehene

Project # 30206462

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used U

Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 4.1 °C Correction Factor +0.2 °C Final Temp: 4.3 °C

Temp should be above freezing to 6°C

Date and Initials of person examining contents: ARM 12/22/10

Comments:

	Yes	No	N/A	
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.
-Includes date/time/ID/Analysis Matrix: <u>*SL ARM 12/22/10</u>				
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.
Short Hold Time Analysis (<72hr remaining):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.
Rush Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.
-Pace Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.
Filtered volume received for Dissolved tests	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12.
All containers needing preservation have been checked.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
exceptions: VOA, coliform, TOC, O&G, Phenolics				Initial when completed: <u>ARM</u> Date/time of preservation: _____
				Lot # of added preservative: _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14.
Trip Blank Present:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	15.
Trip Blank Custody Seals Present	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rad Aqueous Samples Screened > 0.5 mrem/hr	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>ARM</u> Date: _____

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

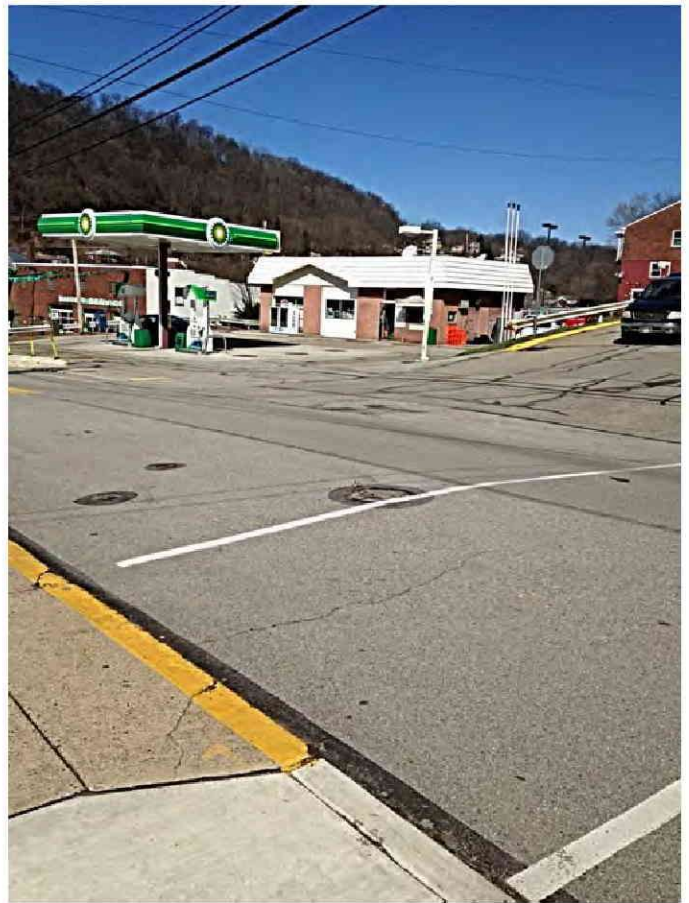
Comments/ Resolution: _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

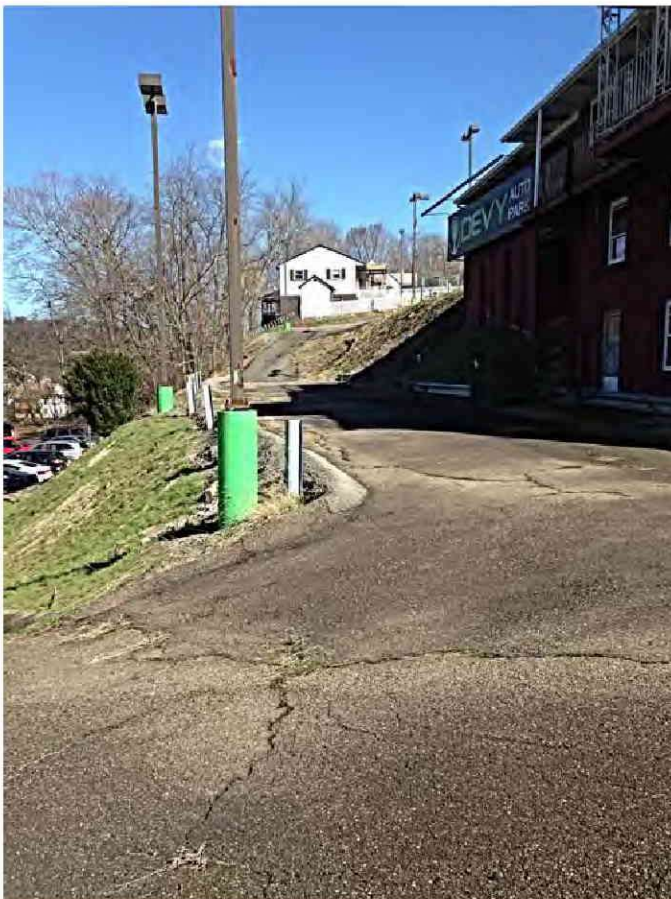
*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.



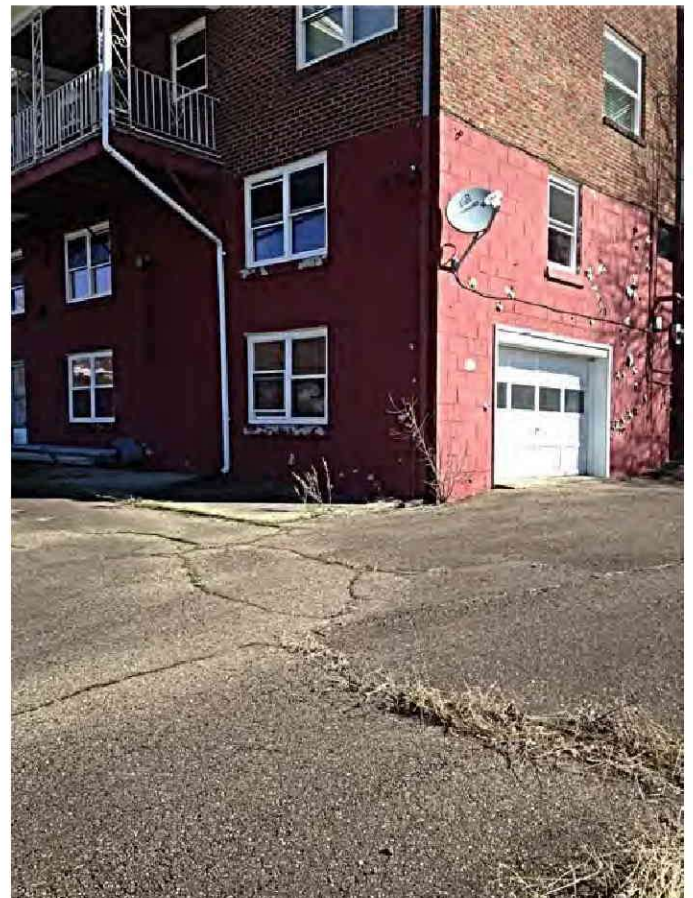
Site



Site



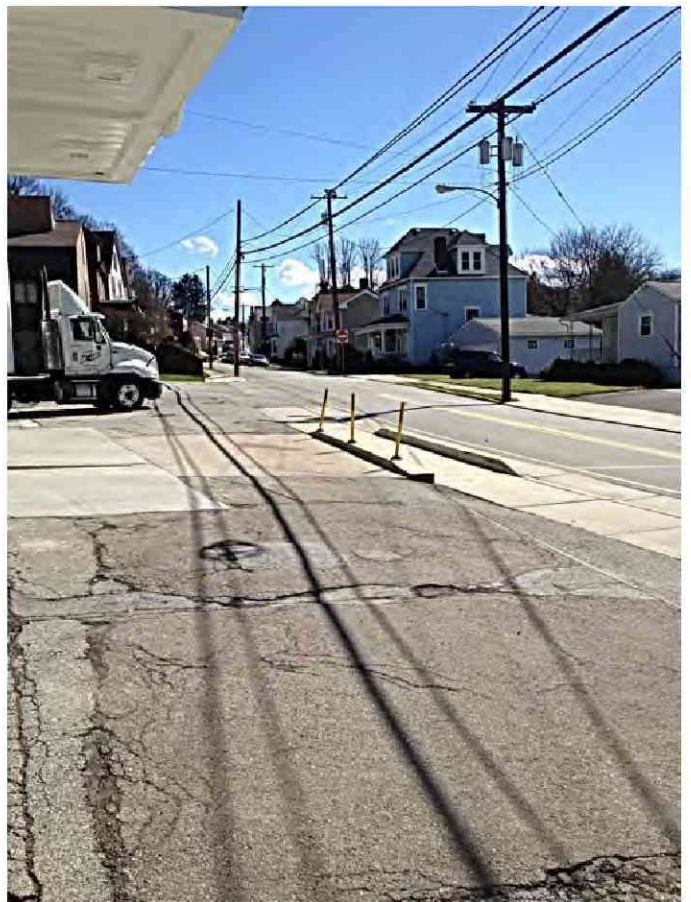
From the Site looking north



From the Site looking north



From the Site looking east



Looking east



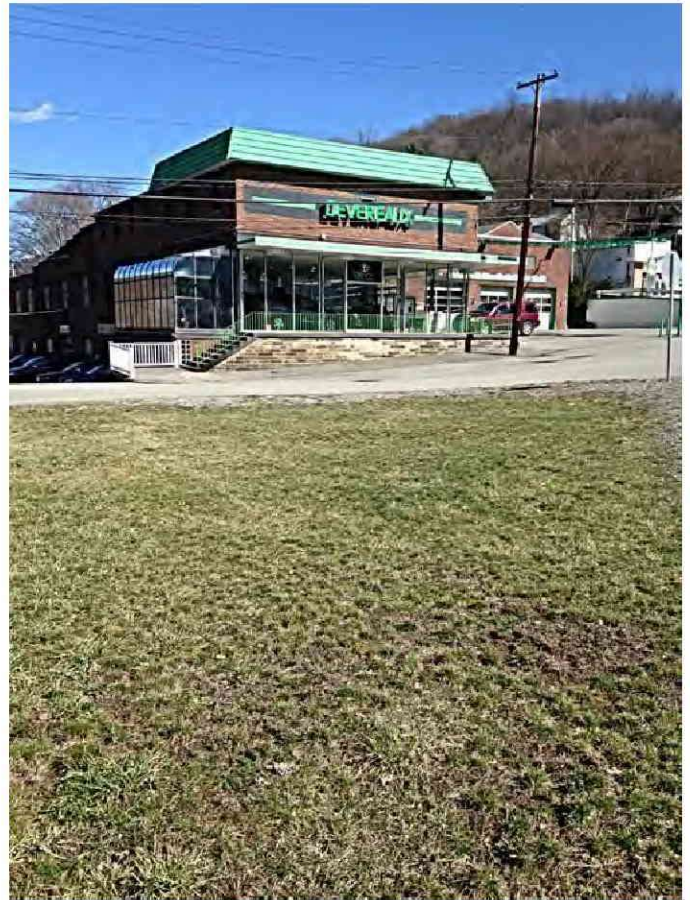
From the Site looking southwest towards Buffalo Street



Looking northeast toward Site from 2nd Street



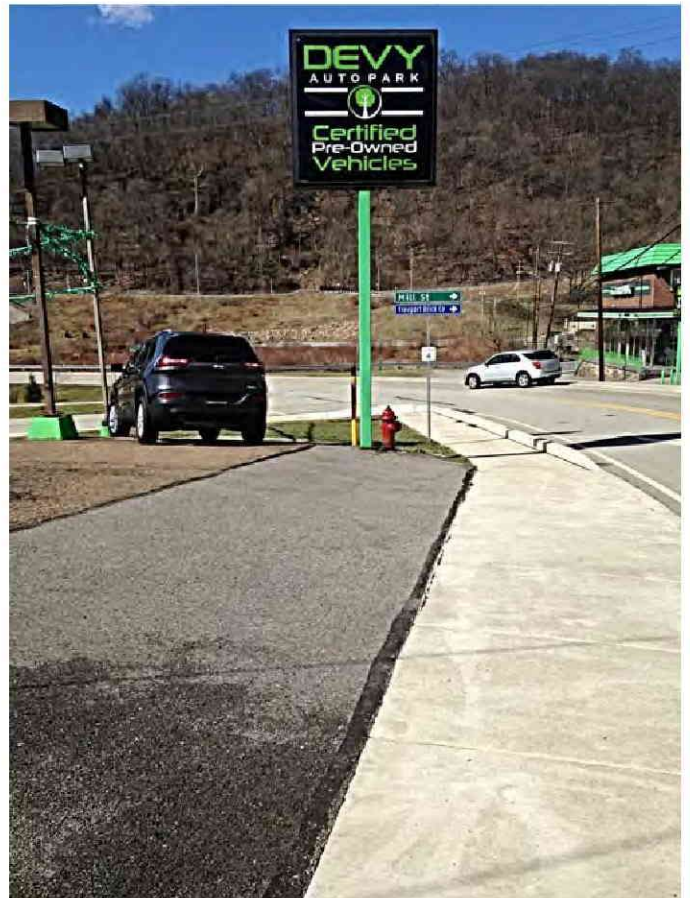
Looking northeast towards Site from 2nd Street



Auto dealership located west of the Site



Auto dealership located west of the Site



From Buffalo Street looking west toward Buffalo Creek